



[Home](#) > [Temperature](#) > [Controllers](#) > Model 331

## Model 331 Temperature Controller

[Product Overview](#)

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### Description

The Model 331 Temperature Controller offers high performance and easy integration for benchtop and systems applications from 1.4 to over 1000 K. The Model 331 supports diodes, negative temperature coefficient (NTC), and positive temperature coefficient (PTC) RTDs, and thermocouple sensors. The Model 331 is available in two versions, the Model 331S and 331E. The Model 331S is fully equipped for interface and control flexibility. The Model 331E shares measurement and display capability with the Model 331S, but does not include the IEEE-488 interface, relays, analog output, or a second control loop. [More...](#)

### Features

- Supports diode, RTD, and thermocouple sensors
- Two sensor inputs
- Sensor excitation current as low as 10 uA for use with NTC resistors to below 1 K
- Sensor excitation current reversal for resistance temperature sensors
- Two control loops: 50 W and 1 W
- Autotuning
- IEEE-488 and serial interface, analog outputs and alarm relays

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